

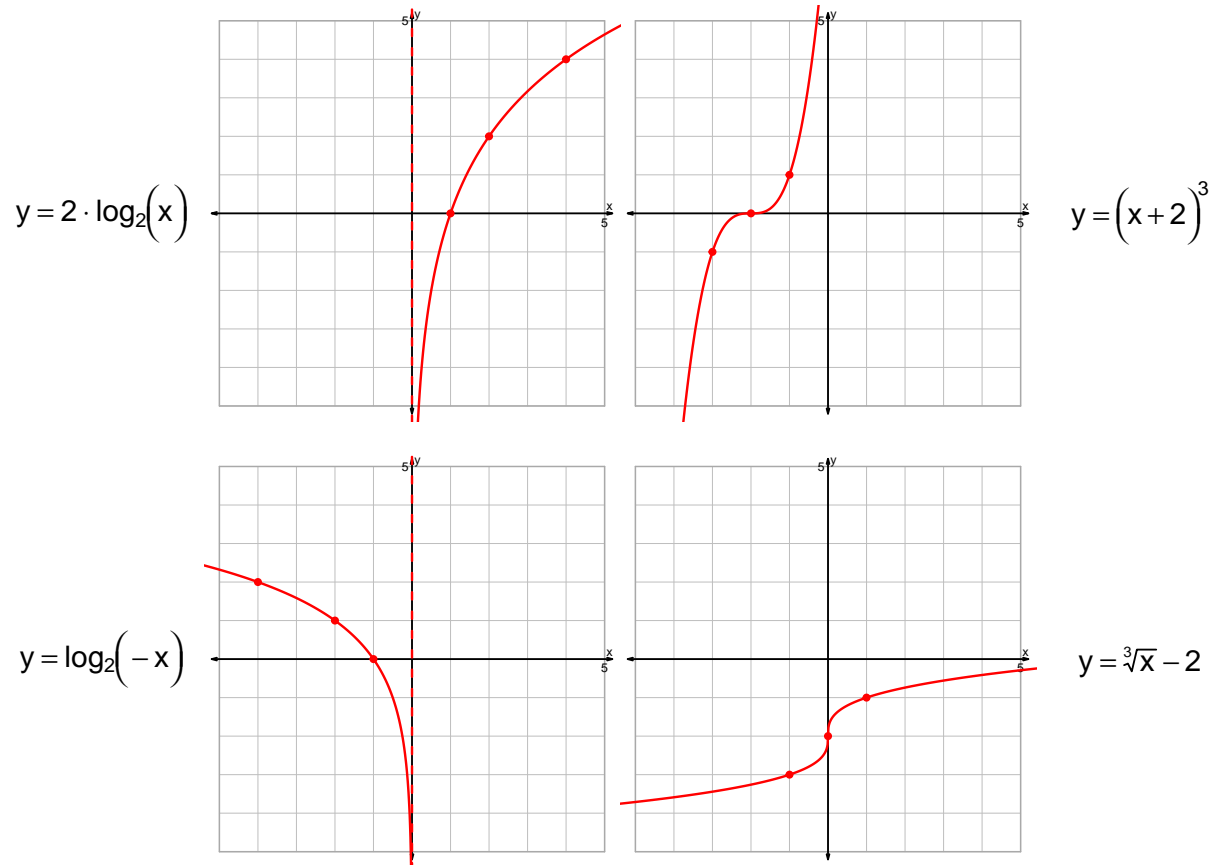
NAME:

DATE:

## Unit-2 Reduced Mastery Assessment (version 306)

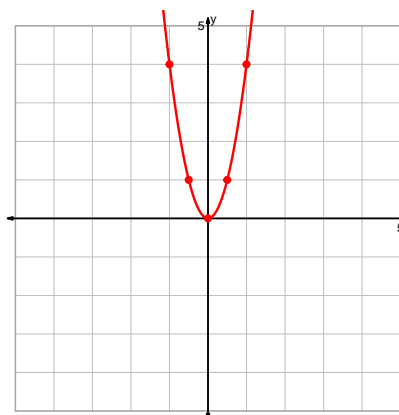
### Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

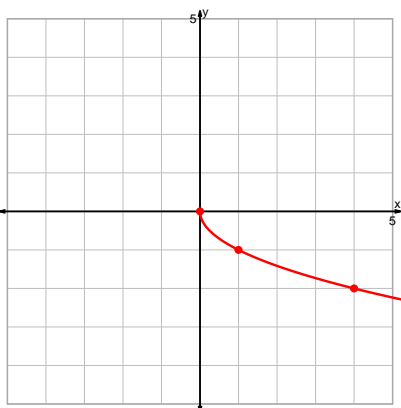


Question 2 continued...

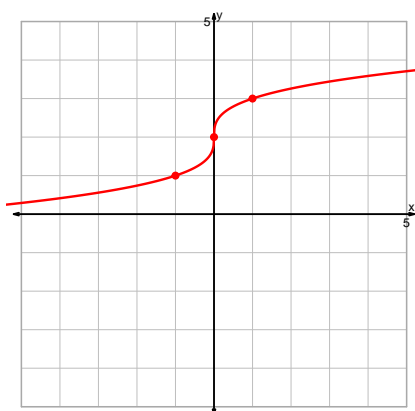
$$y = (2x)^2$$



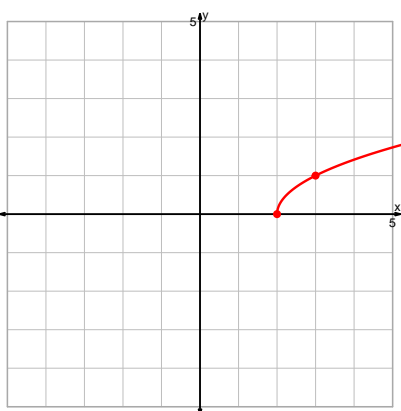
$$y = -\sqrt{x}$$



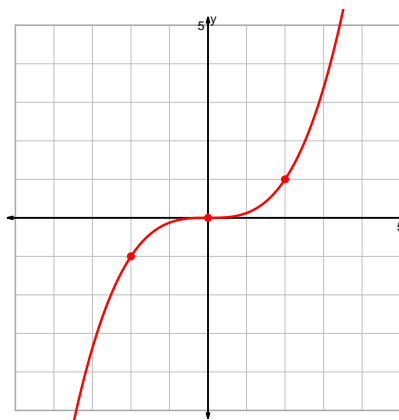
$$y = \sqrt[3]{x} + 2$$



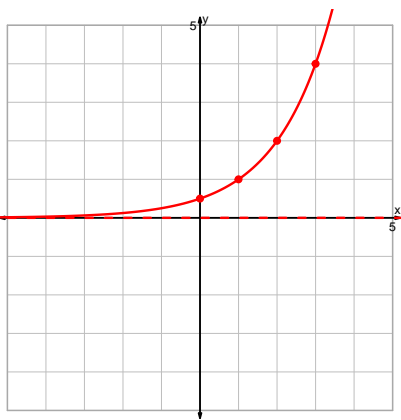
$$y = \sqrt{x-2}$$



$$y = \left(\frac{x}{2}\right)^3$$

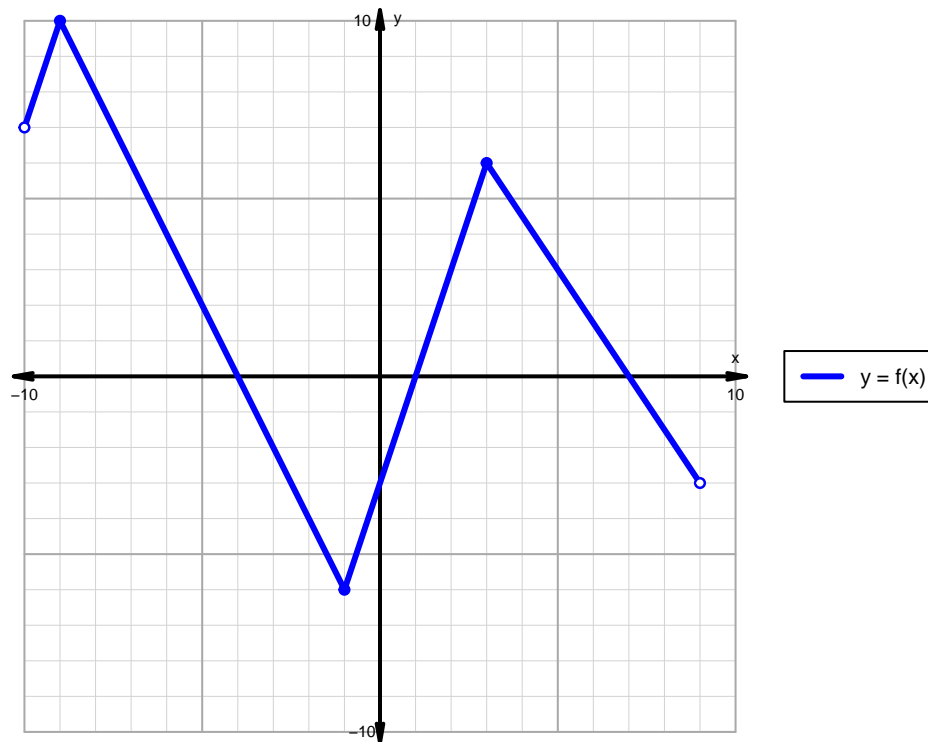


$$y = \frac{2^x}{2}$$



## Question 2 (20 points)

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	$(-10, -4) \cup (1, 7)$
Negative	$(-4, 1) \cup (7, 9)$
Increasing	$(-10, -9) \cup (-1, 3)$
Decreasing	$(-9, -1) \cup (3, 9)$
Domain	$(-10, 9)$
Range	$(-6, 10)$